

NCCS
NASA Center for
Climate Simulation

NCCS GIS Portal, Capabilities and Services

February 20, 2020

Jim Shute

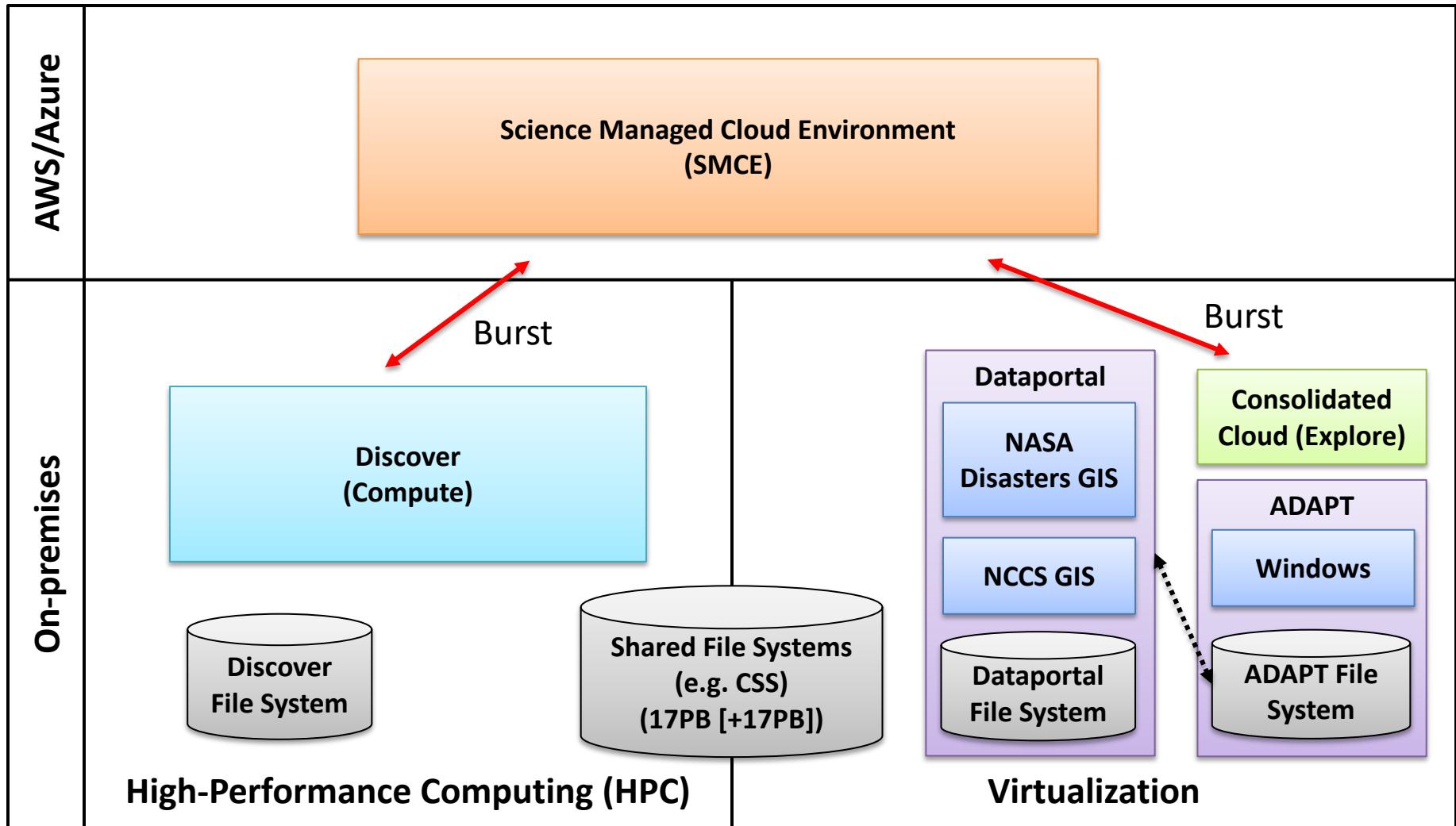
NCCS Cloud Computing / Data Services Lead

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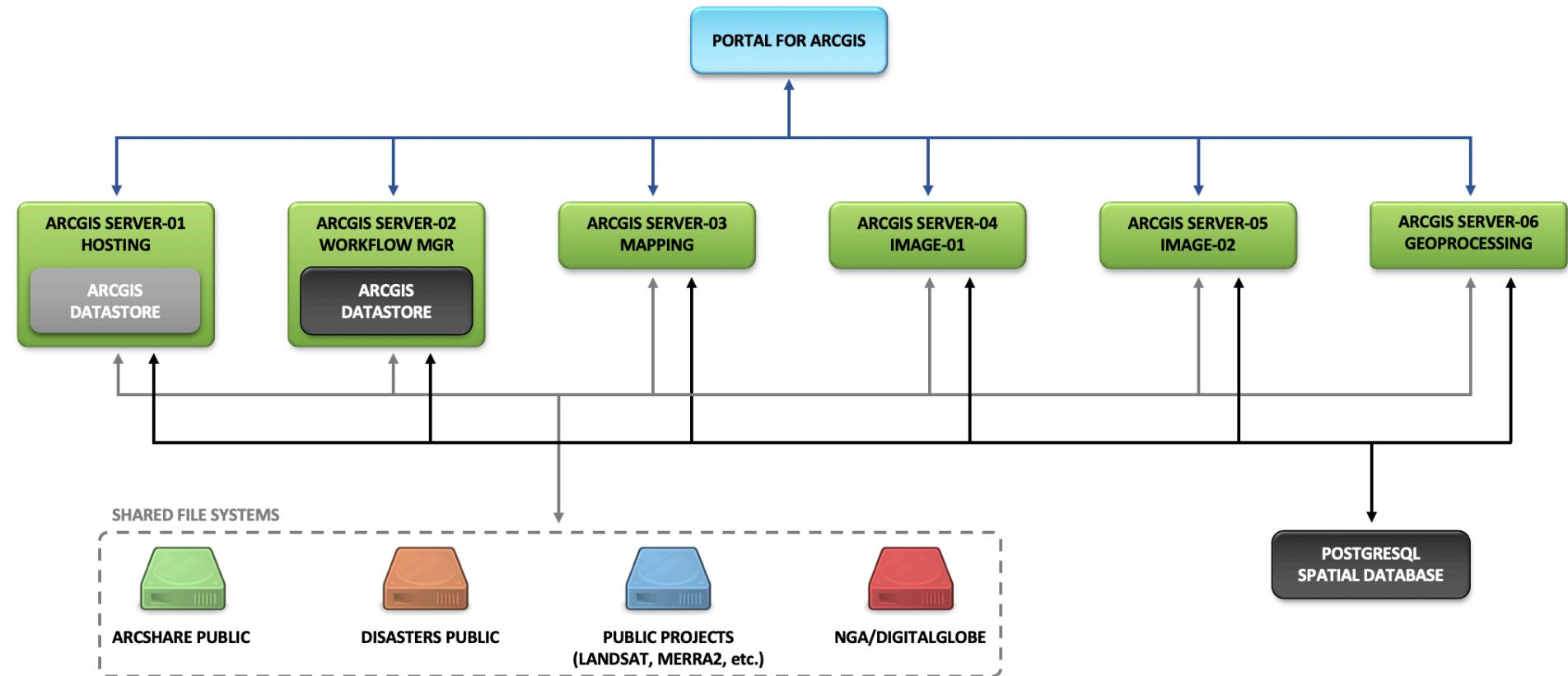
<https://maps.nccs.nasa.gov>

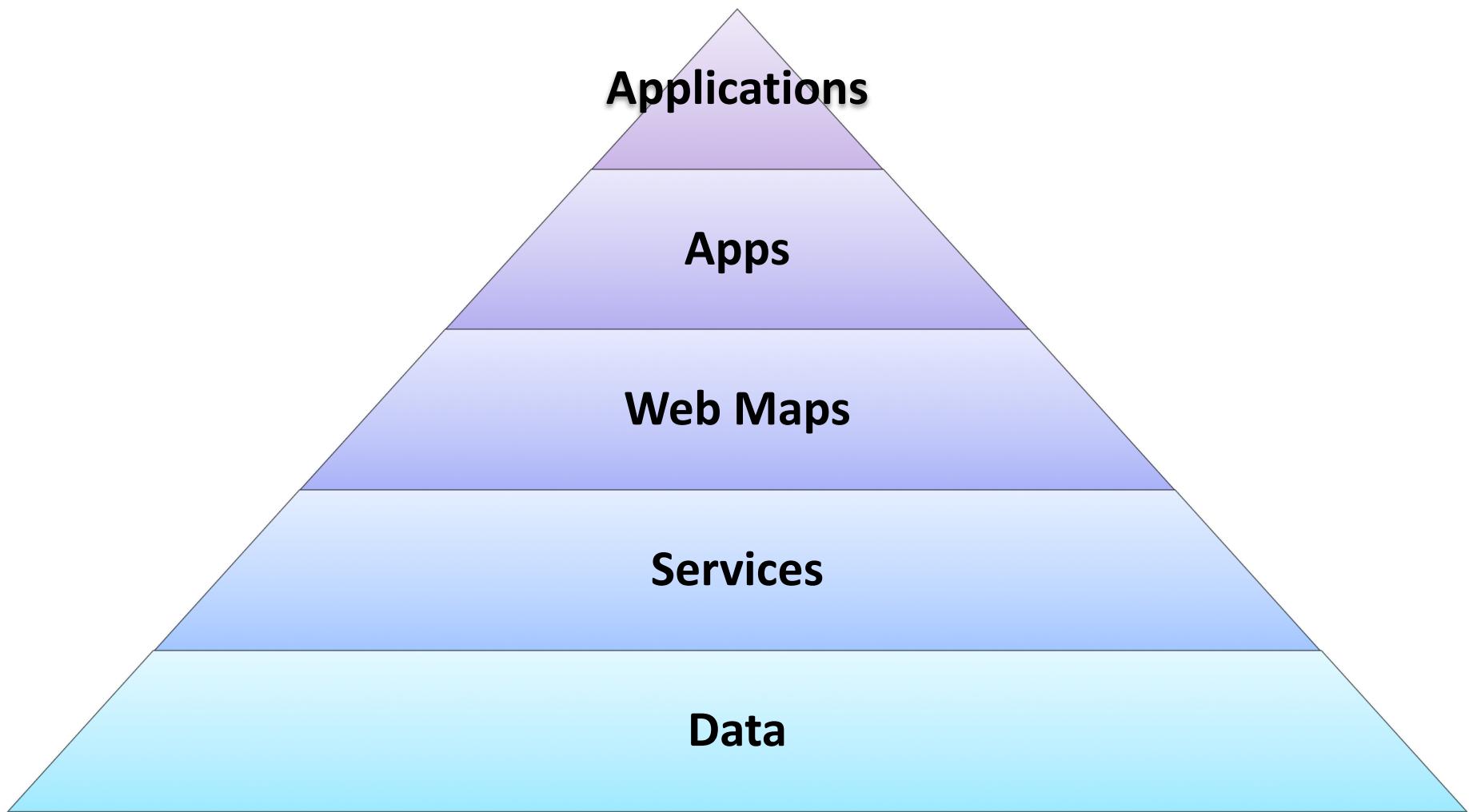
- NCCS Architecture
- Spatial Platform Architecture
- GIS Development Paradigm
- Example Workflow
- Data Publishing Workflow
- GIS Development Options
- Windows Access
- Demonstration
- Benefits of Using the NCCS GIS
- Wrap Up



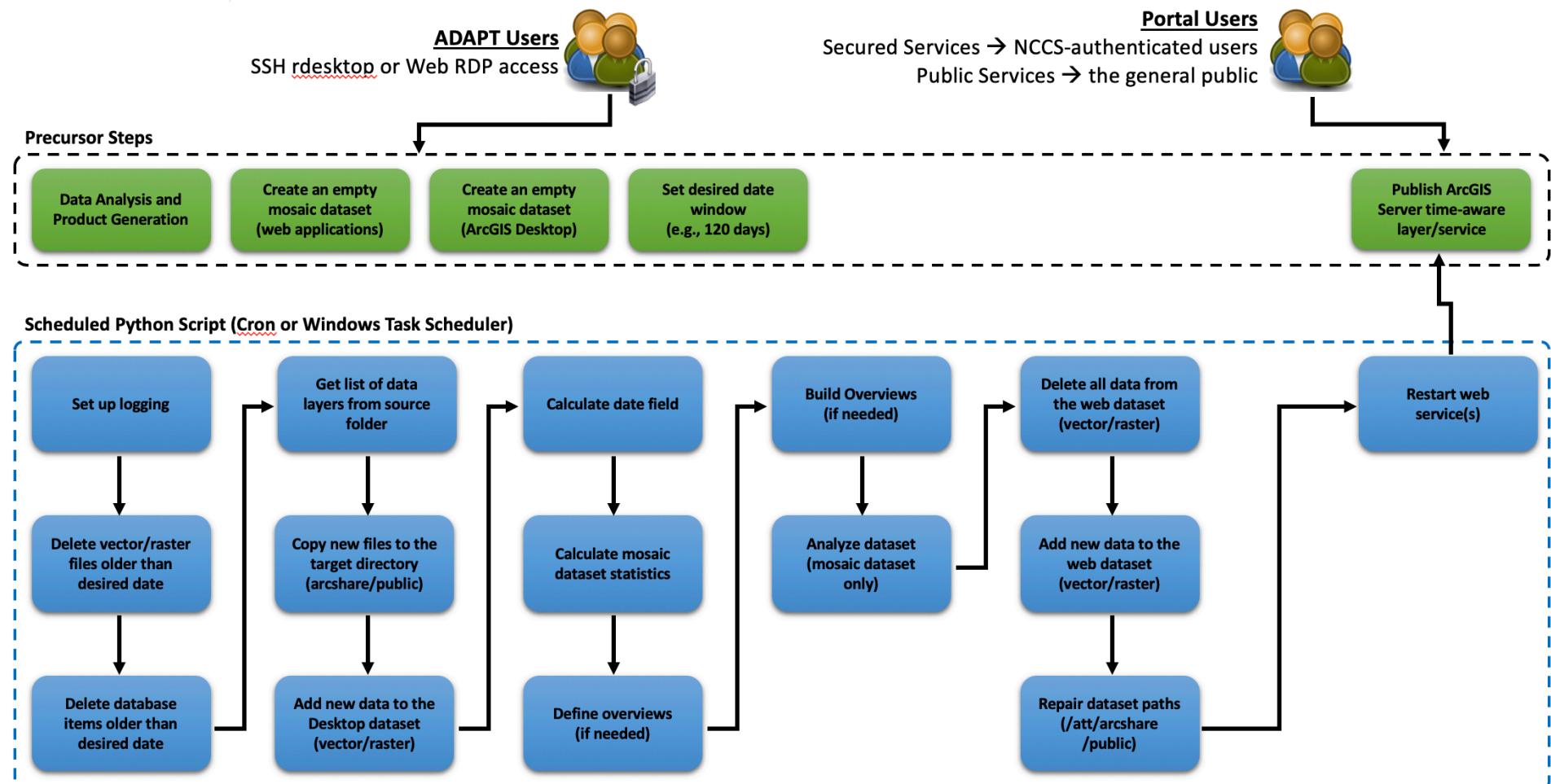


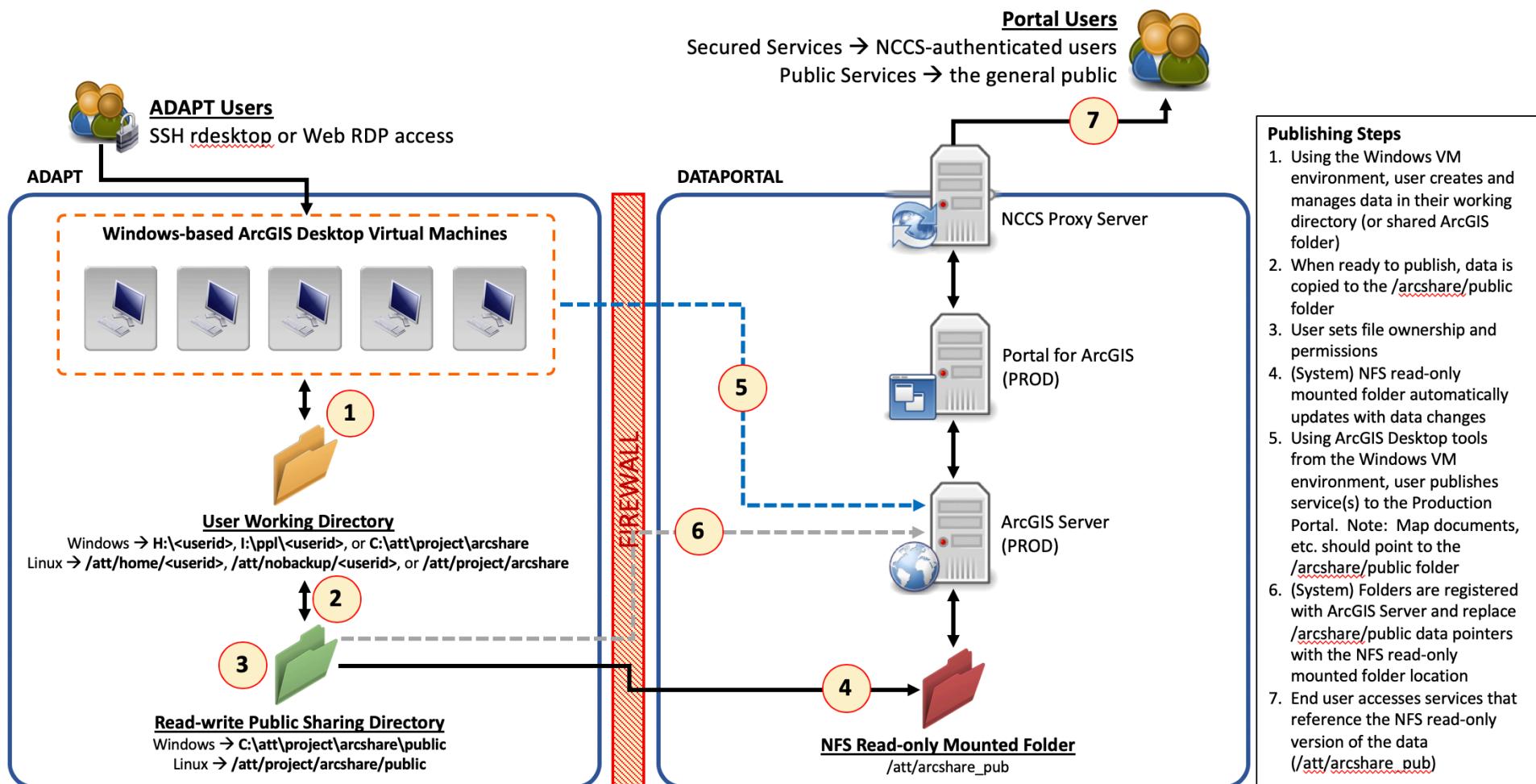
NCCS GIS Spatial Platform Logical Architecture

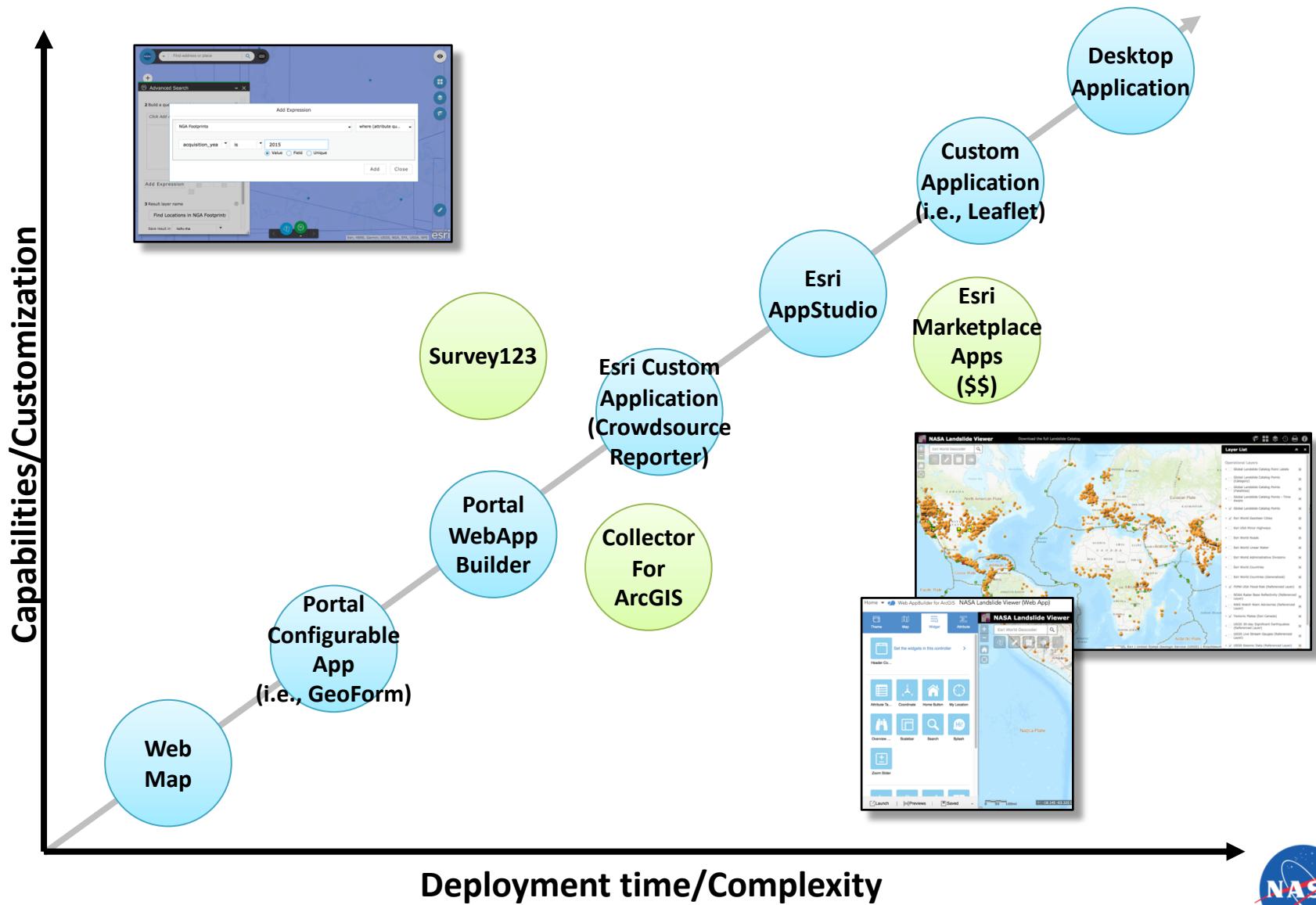




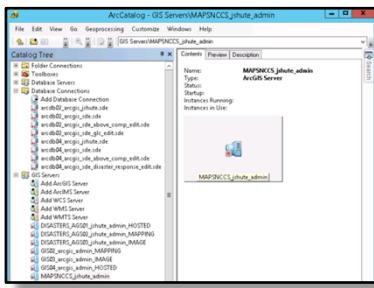
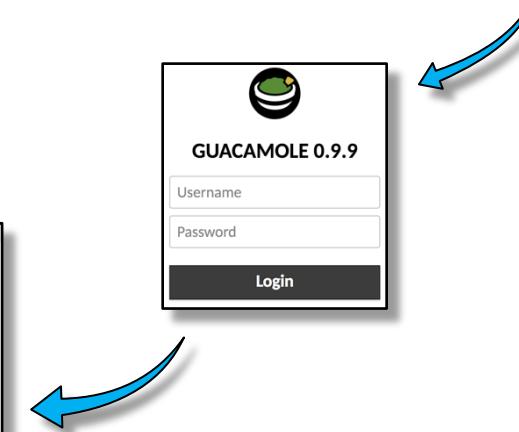
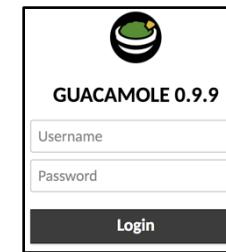
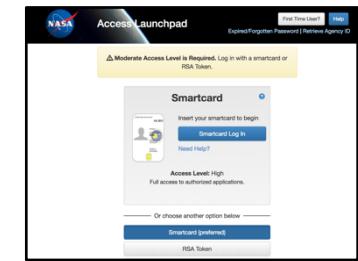
Example Workflow - Publishing Timeseries Datasets







- Guacamole Remote Access
 - Access to Windows virtual machines
 - NASA Launchpad enabled
 - NCCS account required
 - <https://guac.nccs.nasa.gov>





- NASA Esri Enterprise License Agreement (ELA)
 - Latest versions of the Esri software (10.7.1)
 - Enterprise software (ArcGIS Server and Portal)
 - Desktop software (ArcGIS Pro and ArcGIS Desktop)
- Proximity of data archives to GIS analysis and visualization capabilities
- Full life-cycle support
 - Analysis (Linux) > Publication (Windows) > Visualization
- Proven, tailored solutions to automate data publication workflows (e.g., Landslide Reporter, Landslide Susceptibility Analysis)

- Introducing the new NCCS GIS Administrator!
 - Ryan Forbes (ryan.s.forbes@nasa.gov)
- Request GIS Portal or Windows Accounts
 - support@nccs.nasa.gov
- NCCS Spatial Analytics Platform
 - <https://maps.nccs.nasa.gov>
- NASA Disasters GIS Platform
 - <https://maps.disasters.nasa.gov>

